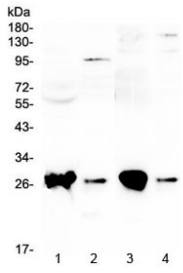
GSTT1 Antibody (R32881)

Catalog No.	Formulation	Size
R32881	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	P30711
Applications	Western Blot: 0.5-1ug/ml Direct ELISA (recombinant human protein): 0.1-0.5ug/ml (BSA-free format available)
Limitations	This GSTT1 antibody is available for research use only.



Western blot testing of 1) rat liver, 2) rat lung, 3) mouse liver and 4) mouse lung with GSTT1 antibody at 0.5ug/ml. Predicted molecular weight ~27 kDa.

Description

GSTT1 (Glutathione S-transferase theta 1), also known as GST class-theta-1, Glutathione transferase T1-1, is an enzyme that in humans is encoded by the GSTT1 gene. It is a member of a superfamily of proteins that catalyze the conjugation of reduced glutathione to a variety of electrophilic and hydrophobic compounds. Human theta-class GST has 239-amino acids. The protein shares 80% sequence identity with the rat homolog. Human GSTs can be divided into five main classes: alpha, mu, pi, theta, and zeta. The theta class includes GSTT1 and GSTT2, which share 55% amino acid sequence identity, and both of them were claimed to have an important role in human carcinogenesis.

Application Notes

Optimal dilution of the GSTT1 antibody should be determined by the researcher.

Immunogen

A recombinant human protein corresponding to amino acids L3-L231 was used as the immunogen for the GSTT1 antibody.

Storage

After reconstitution, the GSTT1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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